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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/071,751	02/07/2002	Shirley Wu Hunter	2618-17-C4-PUS-2	2578
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22442 7590 12/13/2002

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EXAMINER 7

STEADMAN, DAVID J

ART UNIT

PAPER NUMBER

1652

DATE MAILED: 12/13/2002

8

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

10/071,751

Applicant(s)

HUNTER ET AL.

Examiner

David J. Steadman

Art Unit

1652

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 43-60 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☐ Claim(s) \_\_\_\_ is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☒ Claim(s) 43-60 are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

## Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other:

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**DETAILED ACTION**

***Application Status***

Claims 43-60 are pending in the application.

Cancellation of claims 1, 2, and 4-42 in a preliminary amendment in Paper No. 1, filed 02/07/02, is acknowledged.

Cancellation of claim 3 and addition of claims 43-60 in Paper No. 7, filed 10/24/02, is acknowledged.

***Election/Restrictions***

1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
  - I. Claim(s) 43-46 and 56-59, drawn to a protein comprising the amino acid sequence of SEQ ID NO:53, a protein comprising PfspG5<sub>90</sub>, and compositions thereof, classified in class 530, subclass 350.
  - II. Claim(s) 43-45, 47, 57, and 58, drawn to a protein comprising the amino acid sequence of SEQ ID NO:56 and a composition thereof, classified in class 530, subclass 350.
  - III. Claim(s) 43-45, 48, and 56-59, drawn to a protein comprising the amino acid sequence of SEQ ID NO:59, a protein comprising PfspG5<sub>71</sub>, and compositions thereof, classified in class 530, subclass 350.
  - IV. Claim(s) 43-45, 49, and 56-60, drawn to a protein comprising the amino acid sequence of SEQ ID NO:62, a protein comprising PfspI<sub>155</sub>, and compositions thereof, classified in class 530, subclass 350.
  - V. Claim(s) 43-45, 50, and 56-59, drawn to a protein comprising the amino acid sequence of SEQ ID NO:65, a protein comprising PfspN5<sub>353</sub>, and compositions thereof classified in class 530, subclass 350.
  - VI. Claim(s) 43-45, 51, 57, and 58, drawn to a protein comprising the amino acid sequence of SEQ ID NO:68, and a composition thereof, classified in class 530, subclass 350.

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- VII. Claim(s) 43-45, 52, 57, and 58, drawn to a protein comprising the amino acid sequence of SEQ ID NO:70 and a composition thereof, classified in class 530, subclass 350.
- VIII. Claim(s) 43-45, 53, and 56-59, drawn to a protein comprising the amino acid sequence of SEQ ID NO:72, a protein comprising PfspN6<sub>135</sub>, and compositions thereof, classified in class 530, subclass 350.
- IX. Claim(s) 43-45, 54, and 57-59, drawn to a protein comprising the amino acid sequence of SEQ ID NO:75, a protein comprising PfspJ<sub>72</sub>, and compositions thereof, classified in class 530, subclass 350.
- X. Claim(s) 43-45, 55, 57, and 58, drawn to a protein comprising the amino acid sequence of SEQ ID NO:78 and a composition thereof, classified in class 530, subclass 350.
2. The inventions are distinct, each from the other because:
3. The polypeptides of Groups I-X are structurally distinct in their amino acid sequences. Each of the polypeptides listed as Groups I-X would not render the others obvious to one of ordinary skill in the art. Furthermore, where sequence identity is required such as for the production of antibodies, the different sequences have different effects.
4. MPEP 803 sets forth two criteria for restricting between patentably distinct inventions – 1) the inventions must be independent or distinct and 2) there must be a serious burden on the examiner. MPEP 803 states, "For purposes of the initial requirement, a serious burden on the examiner may be *prima facie* shown if the examiner shows by appropriate explanation either separate classification, separate status in the art, or a different field of search as defined in MPEP 808.02". The inventions listed as Groups I-X are distinct for the reasons identified in item 3 above, and thus the first criterion for restriction is satisfied. Also, each of the inventions listed as Groups I-X, because they are structurally distinct, require a separate sequence search, in addition to a separate patent and non-patent literature search. Thus, the second criterion for restriction has been satisfied. As such, restriction for examination purposes is proper.
5. Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

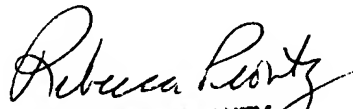
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6. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a petition under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

7. Claims 43-45 and 56-59 will be examined to the extent the claims read on the elected subject matter.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to David Steadman, whose telephone number is (703) 308-3934. The Examiner can normally be reached Monday-Thursday from 6:30 am to 5:00 pm. If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Ponnathapura Achutamurthy, can be reached at (703) 308-3804. The FAX number for this Group is (703) 308-4242. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Art Unit receptionist whose telephone number is (703) 308-0196.

David J. Steadman, Ph.D.  
Patent Examiner  
Art Unit 1652

  
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